KRAMER ELECTRONICS, Ltd.
www.kramerelectronics.com

# VM-114H4C

2x1:4 HDMI Twisted Pair Transmitter & Distribution Amplifier

The VM−114H4C is a high−performance switcher and distribution amplifier for HDMI and DGKat™ twisted pair signals. It reclocks and equalizes one of two selectable input signals (HDMI or DGKat twisted pair) and distributes it to four DGKat twisted pair outputs.

## FEATURES

- Max. Data Rate - 1.65Gbps bandwidth per graphic channel.
- HDTV Compatible.
- HDCP Compliant.
- DGKat™ Signal Integration - Kramer's unique technology for converting TMDS as well as control and communication to signals that run over twisted pair cables. We strongly recommend using Kramer DGKat™ cables designed specifically for optimum performance.
- Inputs - 1 HDMI & 1 DGKat twisted pair on an RJ−45 connector.
- Outputs - 4 DGKat twisted pairs on RJ−45 connectors.
- I-EDIDPro™ Kramer Intelligent EDID Processing™ - Intelligent EDID handling & processing algorithm ensures Plug and Play operation for HDMI systems.
- HDMI Support - HDMI (V.1.4 with x.v.Color™, HDMI Uncompressed Audio Channels, Dolby TrueHD, DTS−HD (only on the TP inputs and outputs)).
- 3D Pass-Through.
- Kramer Equalization & re-Klocking™ Technology - Rebuilds the digital signal to travel longer distances.
- System Range - Up to 90m (295ft) at 1080i, or up to 30m (98ft) at 1080p on shielded BC−DGKat524 cable. Up to 90m (295ft) at 1080i, or up to 70m (230ft) at 1080p on shielded BC−DGKat623 cable. Up to 100m (330ft) at 1080i or up to 90m (295ft) at 1080p on shielded BC−DGKat7a23 cable.
- Cable - Requires STP (shielded twisted pair) cable. For optimum range and performance, use Kramer's BC−DGKat524, BC−DGKat623 or BC−DGKat7a23 cables. Note that the transmission range depends on the signal resolution, source device and display used. The distance using non−Kramer CAT 5, CAT 6, and CAT 7 cables may not reach these ranges. Use only shielded cable where both ends of the shield are soldered to ground.
- Active Input & Output LED Indicators.
- Power Connect™ System - A single connection to the transmitter or the receiver powers both units when the devices are within 90m (270ft) of each other.
- Flexible Control Options - Front panel buttons, RS−232, infrared control sensor, remote included.

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## TECHNICAL SPECIFICATIONS

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|---|---|
| INPUTS: | 1 HDMI connector, 1 DGKat twisted pair on an RJ−45 connector. |
| OUTPUTS: | 4 DGKat twisted pairs on RJ−45 connectors. |
| BANDWIDTH: | Supports up to 1.65Gbps bandwidth per graphic channel. |
| COMPLIANCE WITH HDMI STANDARD: | Supports HDMI and HDCP. |
| CONTROLS: | Input select button, EDID select button, panel lock button. |
| INDICATOR LEDs: | IR communication, power, IN 1 (HDMI), IN 2 (CAT5), OUTPUT 1, 2, 3 and 4. |
| POWER SOURCE: | 12V DC, 2A. |
| DIMENSIONS: | 21.5cm x 16.3cm x 4.4cm (8.5" x 6.4" x 1.7") W, D, H. |
| WEIGHT: | 0.3kg (0.67lbs) approx. |
| ACCESSORIES: | Power supply, bracket installation kit, RC−IR3 infrared remote control transmitter. |
| OPTIONS: | RK−1 19" rack adapter. |